

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/009555

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.<sup>7</sup> H05B41/24, H02M7/48, H05B41/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.<sup>7</sup> H05B41/14-41/16, H05B41/24-41/282, H02M7/42-7/98

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005

Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 8-45675 A (Hitachi, Ltd., International Business Machines Corp.), 16 February, 1996 (16.02.96), Full text; all drawings & US 5621281 A1 & EP 696158 A1 & DE 69517878 T & CN 11117256 A & KR 211410 B	1 2-8
A	JP 2001-43986 A (Denso Corp., Koito Manufacturing Co., Ltd.), 16 February, 2001 (16.02.01), Full text; all drawings & US 6392364 B1 / & EP 1067827 A2	1-8

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

14 June, 2005 (14.06.05)

Date of mailing of the international search report

28 June, 2005 (28.06.05)

Name and mailing address of the ISA/

Japanese Patent Office

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